BRUHAT BANGLORE MAHANAGARA PALIKE

DASARAHALLI-ZONE

T.DASARAHALLI-SUB-DIVISION.

Name of Work: Construction of Culverts in Bagalagunte Ward No 14.

Estimate Cost :-5.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Construction of Culverts in Bagalagunte Ward No 14

Sl	Description of Item	Unit	Est. Cost Rs 5.00 Lakhs						
			No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300 1. Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.142/I.19.1 PW, P & IWTD -SR 2016-17)								
		Cum	4	6.00	2.20	1.00	52.80		
	Basic Rate	82.00					52.80	~~88.56~~ 86.92	4676.00 4589
	Add Area Weightage ~~8%~~ 6%	6.56							
	Total	88.56							
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2016-17)								
		Cum	4	6.00	2.20	0.15	7.92		
	Basic Rate	4867.00					7.92	5256.36	41630.00
	Add Area Weightage ~~8%~~ 6%	389.36	292.02					5159.02	40859
	Total	5256.36							
3	KSRB 5.2.3 Providing and constructing granite/trap/basalt size stone masonry in foundation in cement motor 1:6, Stone hammered dressed in courses not less than 20 cms high. Bond stones at two m apart in each course including cost of materials, labour, curing including cost of materials, labour, curing complete as per specifications KBS 5.1.13 Page No 23/Item No 5.6/ PWD SR 2016-17								
		Cum	2x4	6.00	0.70	0.60	20.16		
			2x4	6.00	0.45	0.45	9.72		132614
							29.88	4521.96	135116.00
	Basic Rate	4187.00						4438.22	
	Add Area Weightage 8%	334.96	251.22						
	Total	4521.96							
4	KSRB 15.1.3: Providing ruled **pointing** to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 113/ Item No. 15.3 / PWD SR 2016-17								

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		Sqm	2x4	6.00	0.60		28.80		
	Basic Rate	98.00					28.80	105.84	3048.00
	Add Area Weightage 8%	7.84		5.88				103.88	2992
	Total	105.84							
5	KSRB 4-6.4 : Providing and removing **centering,** shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications, Specification NO KBS 4.6.2 Page No 15/ Item No 4.31/PWD SR 2016-17								
		Sqm	4	6.00	1.00		24.00		
	Basic Rate	293.00					24.00	316.44	7595.00
	Add Area Weightage 8%	23.44		17.58				310.58	7453.92
	Total	316.44							
6	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC Cement @220 kgs with 20 mm and down size graded granite metal course aggregates @ 0.84 cum and fine aggregates @0.56 cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well comated, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per , Specification NO KBS 4.1,4.2 Page No 13/ Item No 4.7/PWD SR 2016-17								
		Cum	2x4	6.00	0.45	0.10	2.16		12093.60
	Basic Rate	5282.00					2.16	5704.56	12322.00
	Add Area Weightage 8%	422.56		316.92				5598.92	
	Total	5704.56							
7	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix M1:2:4 with cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2016-17)								
		Cum	4	6.00	1.90	0.30	13.68		
			6	6.00	1.00	0.30	10.80		14187.
	Basic Rate	5441.00					24.48	5876.28	143851.00
	Add Area Weightage 8%	435.28		326.46				5767.46	
	Total	5876.28							
8	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 Specification No.KBS 4.6.3 (Page No.17, Item No. 4.46.2) 2016-17								
	For Bottom & Sides	Tonnes	24		95.00		2325.60		

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
							2325.60		
	Basic Rate	56050.00				Say	2.33	60534.00	140778.00
	Add 8% A.W	4484.00	3	363				59413	138432
	TOTAL	60534.00							
9	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 150 Item No. 17.1 PWD SR 2016-17								
		Cum	Qty Vide Item No. 1				52.80	87.26	4607.00
	Loading and Unloading	68.00							4266.29
	Lead 4 KMs 2.5 2x1.28x4	12.80							
		80.80							
	Area Weightage @ 8%	6.46							
	Total	87.26							
10	Quality control Test Charges 1%								5000.00
									10773
11	Miscellaneous and UnforessenCharges								1377.00
								Total	500000.00

(Rupees.Five Lakhs Only)

CERTIFICATE:-

1. The Work spot has been inspected and the work is found to be necessary
2. The Estimate is prepared as per the PW,P & IWTD -SR-2016-17
3. The Provision made in estimate are adequate and essential.
4. This area comes under BBMP limits.

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ನಂ. CE/DD/AS/45/16-17 ದಿನಾಂಕ : 30.12.16

ರೂ. Five lakhs only

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ, ಬೆಂಗಳೂರು

ನಂ. EE/DD/TS/62/16-17 ದಿನಾಂಕ : 30.12.16

ರೂ. Five lakhs only

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ನೀಡಿದೆ

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